

These are the minutes from the Ranger design review of 7 January 1986. These decision are highly confidential -- please to not leave it lying around. As a matter of fact, I am distributing this by hard copy to make it harder for this information to leak out...

Neil

0. Review of previous work

0.1 Mechanical

Professional/small business user target  
Optimized for flexible office use  
Keyboard now has three distinct key groups for a more "office look"  
Five expansion slots  
Integrated monitor is either 12" or 13" w/ low cost stereo speakers  
Examining high quality integrated external speakers  
Volume and headphone jack on keyboard

0.2 Electrical

Expansion architecture defined and shipped to selected third party vendors  
Ranger is: zorro, expansion arch., backplane, hard disk & controllers, battery backed up clock, (co processor socket?)  
Repackaged genlock & frame grabber soon after release?  
no plans to build zorro expansion box adapter as a product  
Zorro expansion box (internal only) currently in PC fab

0.3 Software

Little new progress -- key decision necessary to write software have not been made

0.4 Marketing

Under \$2000 retail (including monitor)  
target \$800 cost of goods  
Upgradeable machine -- many capabilities may not be bundled, but should be able to be easily added on.  
\$3000 w/ hard disk. This product aimed at business and professional user  
Text is crucial of office market.  
Key application: not tied to ranger time line. will be a separately staffed project

1.0 Display

Target: 640x400x60hz non-interlaced minimum acceptable.  
Three options described: (1) external line doubler, (2) modify chips to put out monochrome video signal at twice the speed, (3) use video rams.  
Strengths and weaknesses discussed (see display meeting notes).

**brought to you by  
andy finkel**